

Thunderhead Beowulf Cluster Workshop

November 22, 2004

Thunderhead Computer Policy Board (TCPB)

- Newly formed and will be responsible for making decisions involving the overall policies and procedures governing the operation of the Thunderhead HPC Facility
- Membership will be structured to ensure input from all major users of Thunderhead and will consist of :
 - » Representatives from the development and operations team
 - » One or two representatives from each of the five supported science disciplines (Gravitation Waves, Sun Earth Connection, Computer Science Research, Image feature recognition, Earth Science)



R.Schneider

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Thunderhead Computer Policy Board (TCPB) - Cont

- Responsibilities will include, but not be limited to:
 - » Meet regularly to discuss and recommend appropriate action on current or planning issues
 - » Develop policies that guarantee Thunderhead's responsiveness to users' computing needs and ensure accountability for the effective use of computing resources involving areas such as:
 - schedule options/queue definitions
 - job accounting
 - job monitoring utilities
 - any required job checkpointing and preemption

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Thunderhead Computer Policy Board (TCPB) - Cont

- Responsibilities will include, but not be limited to: (cont)
 - » Ensure technical development and operational readiness team is in synch with user operational needs in such areas as:
 - purchase of major product offerings
 - integration of new subsystems
 - IT security
 - software tools
 - » Develop mechanisms to facilitate periodic reviews of the computing services rendered by Thunderhead in areas such as:
 - measuring adequacy and responsiveness of customer service provided to users
 - gathering diagnostics and performance metrics



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Thunderhead Computer Policy Board (TCPB) - Cont

- Responsibilities will include, but not be limited to: (cont)
 - » Collect and analyze information on the current state of the high performance computing industry
 - » If requested, advise senior management on matters pertinent to the responsibilities previously listed



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